

b.) Amendments to the Claims

C) Claims 1-3 (Cancelled).

4. (Previously Amended) An isolated or purified protein comprising the amino acid sequence represented by SEQ ID NO:1.

5. (Previously Amended) An isolated or purified protein comprising an amino acid sequence in which at most 20 amino acids are deleted, replaced or added in the amino acid sequence represented by SEQ ID NO:1, said protein having a β 1,3-galactosyltransferase activity.

Claims 6-13 (Cancelled)

14. (Currently Amended) A method for producing a protein according to claims 4 ~~and~~ or 5, comprising:

culturing a transformant harboring a recombinant DNA encoding said protein in a medium to produce and accumulate said protein in culture, and
recovering the protein from the culture.

15. (Previously Amended) A method for producing a galactose-containing carbohydrate, comprising:

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selecting, as an enzyme source, a culture of the transformant of claim 14 or a treated product of the culture,

allowing the enzyme source, uridine-5'-diphosphogalactose and an acceptor carbohydrate to be present in an aqueous medium to produce and accumulate the galactose-containing carbohydrate in the aqueous medium, and

recovering the galactose-containing carbohydrate from the aqueous medium.

16. (Original) The method according to claim 15, wherein the treated product of the culture broth is selected from the group consisting of a concentrated product of the culture broth, a dried product of the culture broth, cells obtained by centrifuging the culture broth, a dried product of the cells, a freeze-dried product of the cells, a surfactant-treated product of the cells, an ultrasonic-treated product of the cells, a mechanically disrupted product of the cells, a solvent-treated product of the cells, an enzyme-treated product of the cells, a protein fraction of the cells, an immobilized product of the cells and an enzyme preparation obtained by extracting from the cells.

17. (Original) The method according to claim 15, wherein the receptor acceptor carbohydrate is a carbohydrate having *N*-acetylglucosamine at its non-reducing endterminal.

18. (Original) The method according to claim 15, wherein the receptor-
acceptor carbohydrate is selected from the group consisting of *N*-acetylglucosamine and
lacto-*N*-triose II. p 46

19. (Original) The method according to claim 15, wherein the galactose-
containing carbohydrate is selected from the group consisting of lacto-*N*-biose and lacto-
N-tetraose.

Claims 20-24 (Cancelled)

25. (Previously Added) The method according to claim 14, wherein said
recombinant DNA comprises a vector.

26. (Previously Added) The method according to claim 25, wherein said
transformant is a microorganism.

27. (Previously Added) The method according to claim 26, wherein said
microorganism belongs to the genus *Escherichia*.

28. (Previously Added) The method according to claim 22, wherein said
microorganism is *Escherichia coli*.

29. (Previously Added) The method according to claim 15, wherein said

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~~antecedent~~ recombinant DNA comprises a vector.

30. (Previously Added) The method according to claim 29, wherein said transformant is a microorganism.

c¹ 31. (Previously Added) The method according to claim 30, wherein said microorganism belongs to the genus *Escherichia*.

32. (Previously Added) The method according to claim 31, wherein said microorganism is *Escherichia coli*.
